

Data File : BN007904.D
Acq On : 30 Sep 2019 19:37
Operator : JU
Sample : K5078-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-024-SW131-092519

Quant Time: Oct 01 06:51:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	8309	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	31214	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	16308	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	29611	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	31236	0.40	ng	-0.01
34) Perylene-d12	23.47	264	38054	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	6216	0.22	ng	0.00
5) Phenol-d6	6.86	99	8237	0.23	ng	0.00
8) Nitrobenzene-d5	8.83	82	6968	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	12128	0.23	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1514	0.17	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	16145	0.24	ng	-0.01
25) Fluoranthene-d10	19.09	212	20860	0.21	ng	-0.01
29) Terphenyl-d14	19.70	244	16275	0.21	ng	-0.01

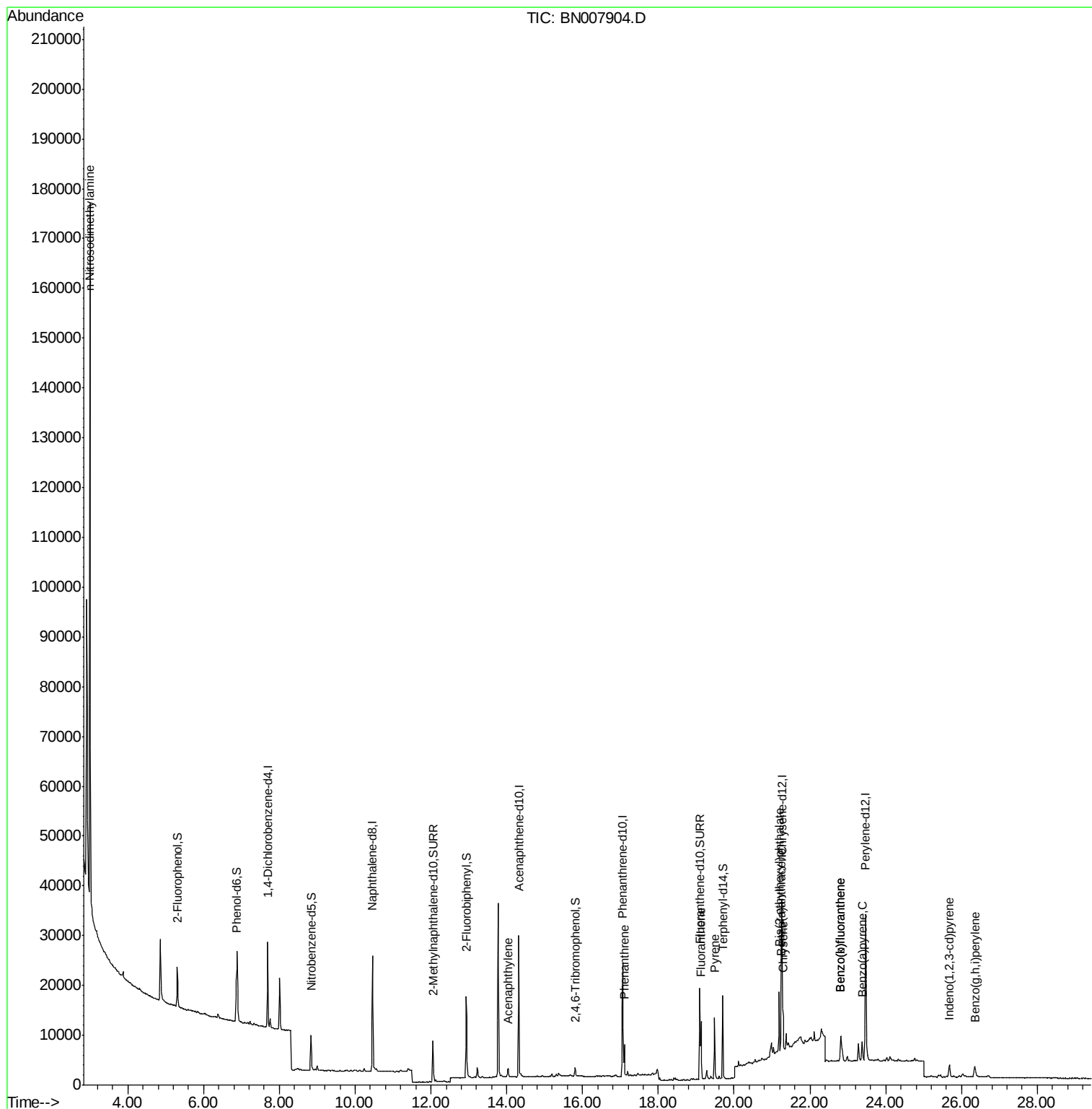
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.00	42	11688	2.755	ng	# 77
16) Acenaphthylene	14.04	152	3230	0.037	ng	97
23) Phenanthrene	17.10	178	6890	0.075	ng	98
26) Fluoranthene	19.12	202	10334	0.090	ng	98
28) Pyrene	19.49	202	10809	0.101	ng	# 96
30) Benzo(a)anthracene	21.24	228	4632	0.040	ng	# 76
31) Chrysene	21.29	228	6268	0.056	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.19	149	10297	0.174	ng	98
33) Indeno(1,2,3-cd)pyrene	25.68	276	4043	0.029	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	8287	0.063	ng	# 64
36) Benzo(k)fluoranthene	22.81	252	8287	0.063	ng	# 65
37) Benzo(a)pyrene	23.38	252	5315	0.043	ng	# 52
39) Benzo(g,h,i)perylene	26.35	276	4741	0.038	ng	# 72

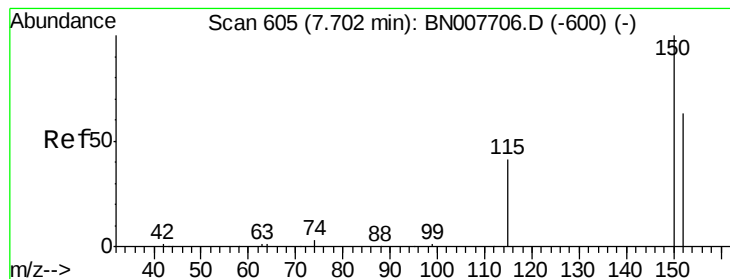
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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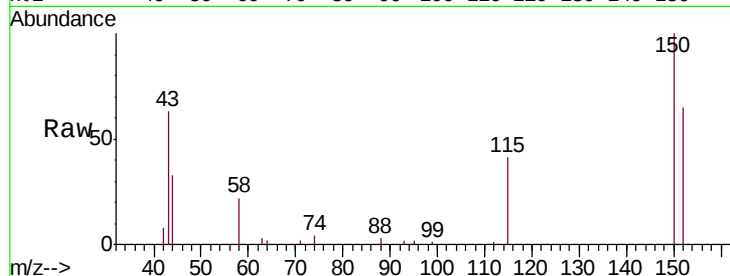


#1

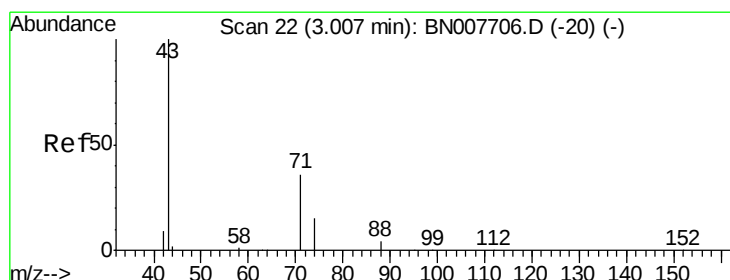
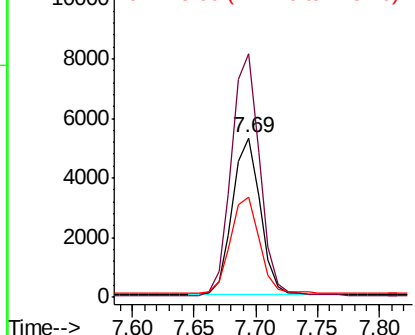
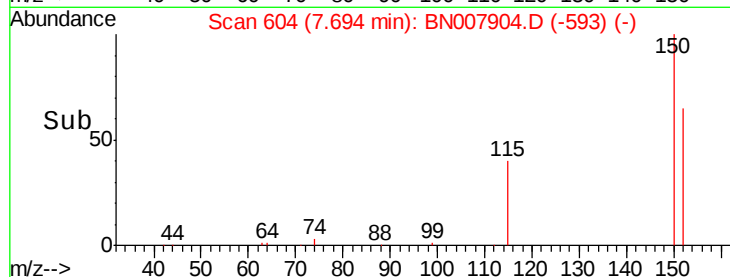
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007904.D
Acq: 30 Sep 2019 19:37

Instrument :
BNA_N
ClientSampleId :
PST-024-SW131-092519

Tgt Ion:152 Resp: 8309
Ion Ratio Lower Upper
152 100
150 153.0 125.6 188.4
115 63.1 53.3 79.9



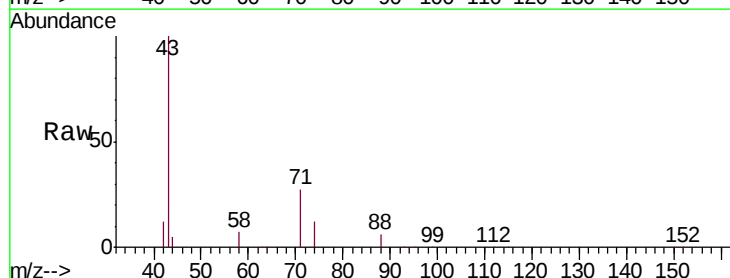
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



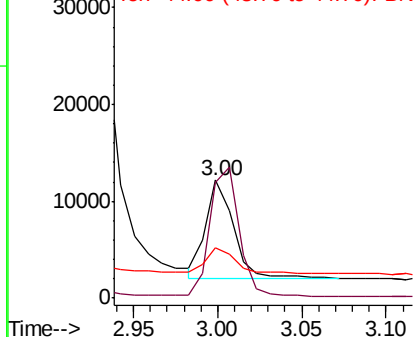
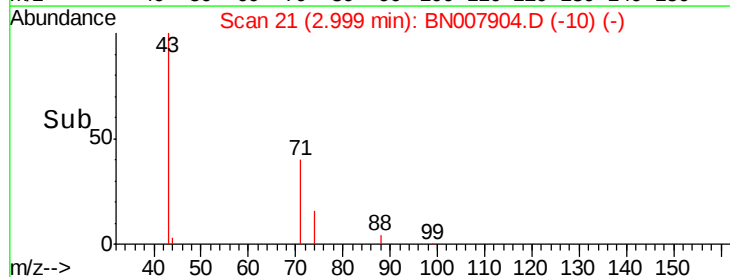
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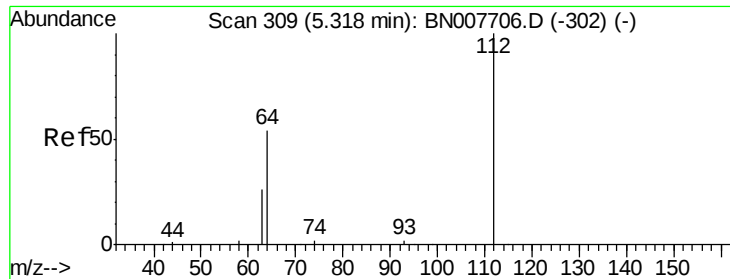
n-Nitrosodimethylamine
Concen: 2.755 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007904.D
Acq: 30 Sep 2019 19:37

Tgt Ion: 42 Resp: 11688
Ion Ratio Lower Upper
42 100
74 136.7 87.9 131.9#
44 28.2 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.217 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

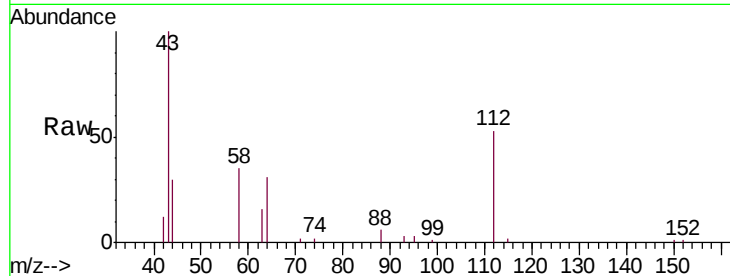
Tgt Ion: 112 Resp: 6216

Ion Ratio Lower Upper

112 100

64 59.3 46.6 70.0

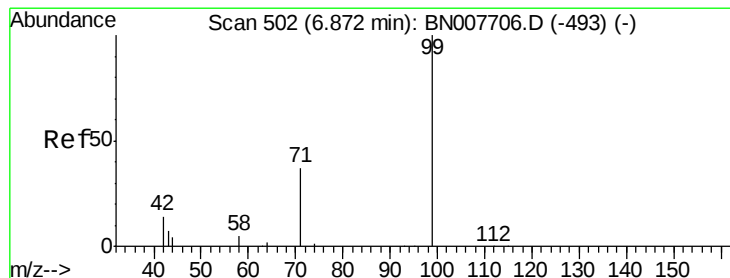
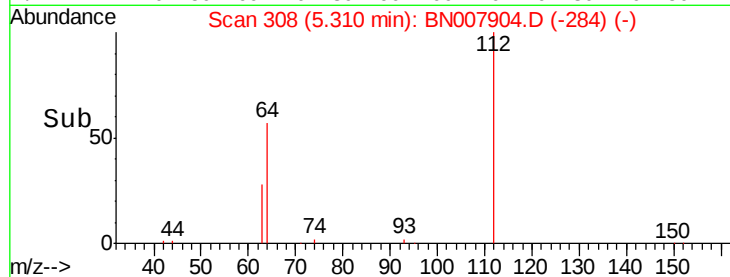
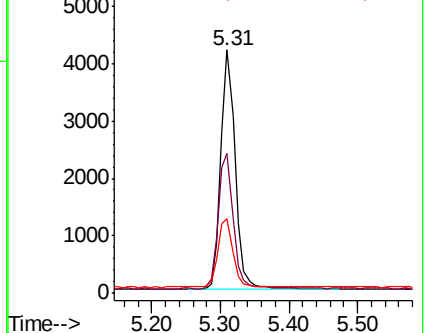
63 29.7 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.228 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

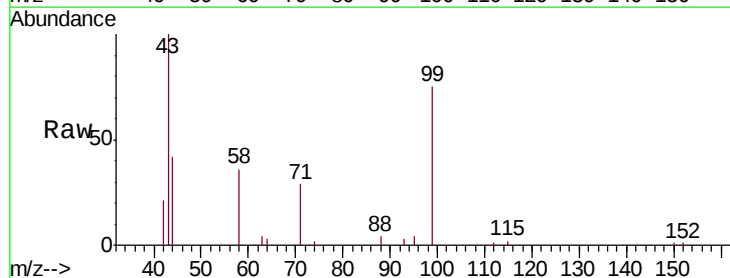
Tgt Ion: 99 Resp: 8237

Ion Ratio Lower Upper

99 100

42 23.1 12.8 19.2#

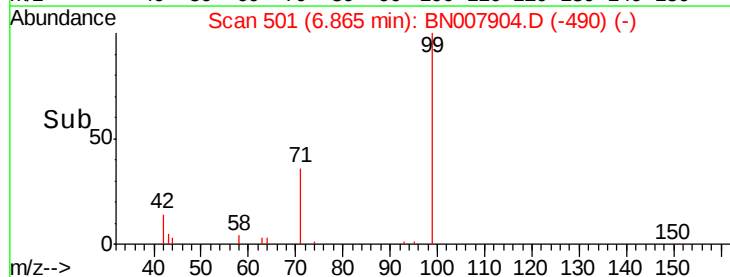
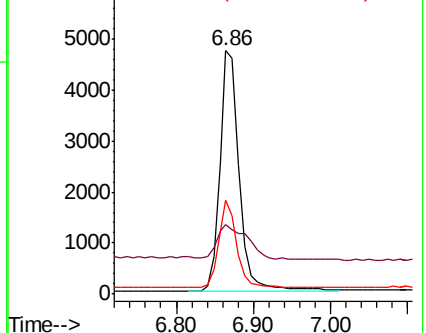
71 34.0 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

Tgt Ion:136 Resp: 31214

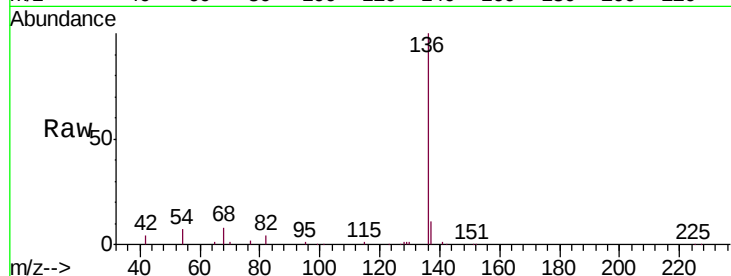
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 6.8 5.8 8.8

68 7.5 6.5 9.7

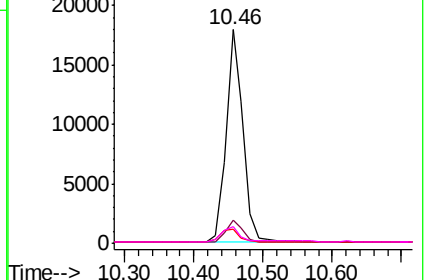
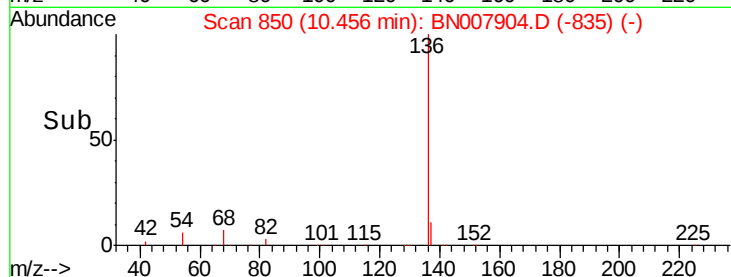


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.255 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

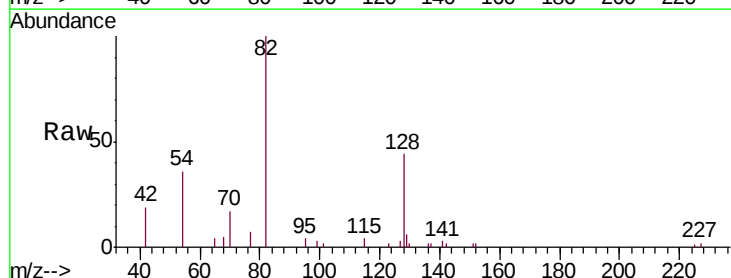
Tgt Ion: 82 Resp: 6968

Ion Ratio Lower Upper

82 100

128 43.8 24.5 36.7#

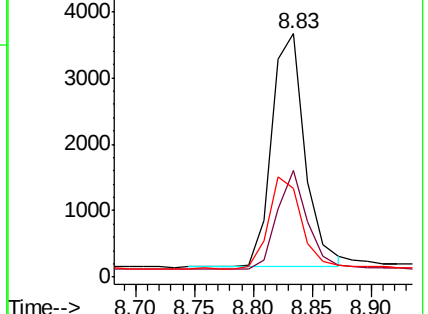
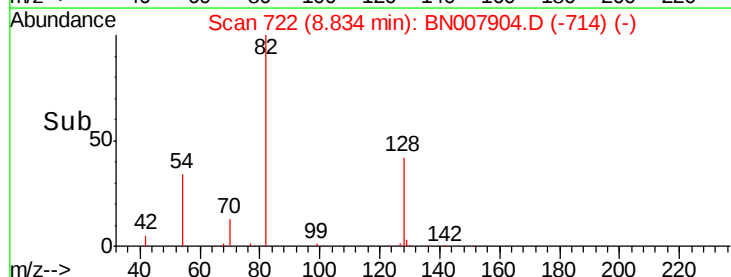
54 36.2 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

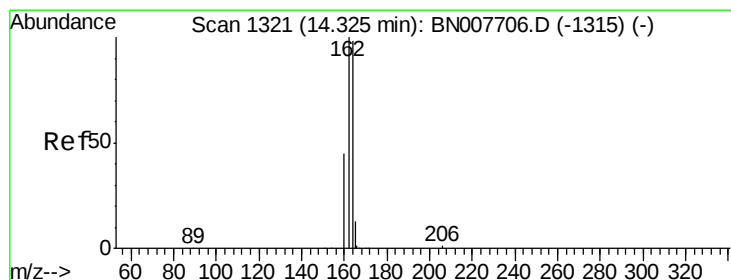
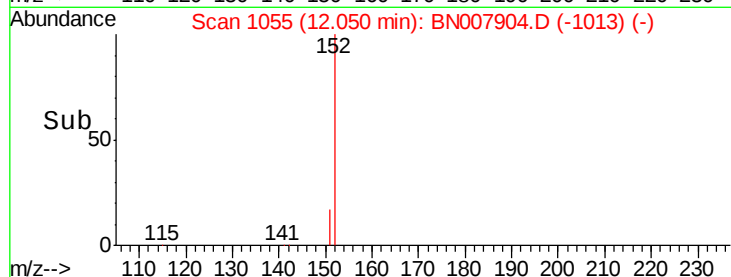
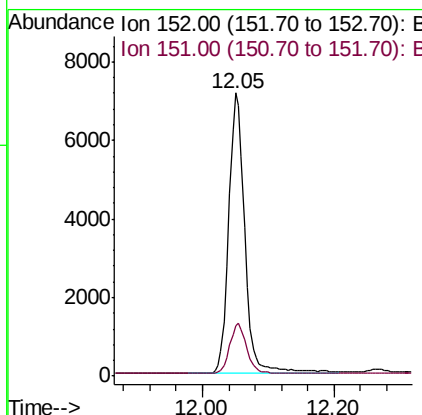
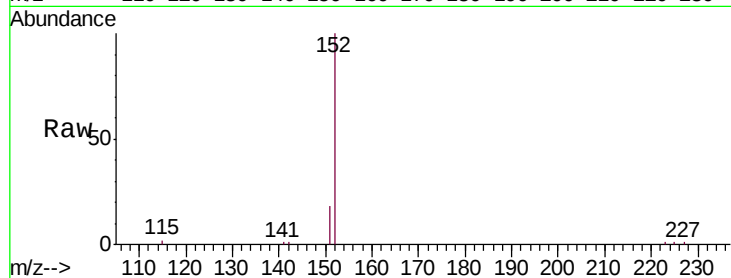




#11
 2-Methylnaphthalene-d10
 Concen: 0.231 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

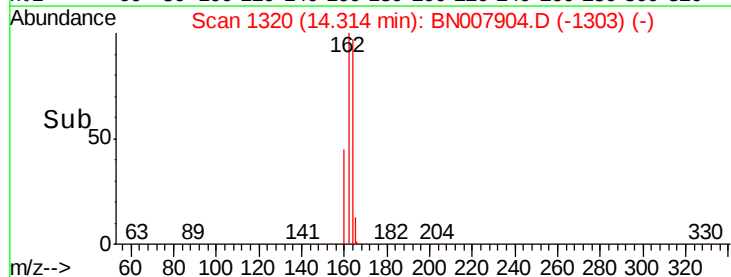
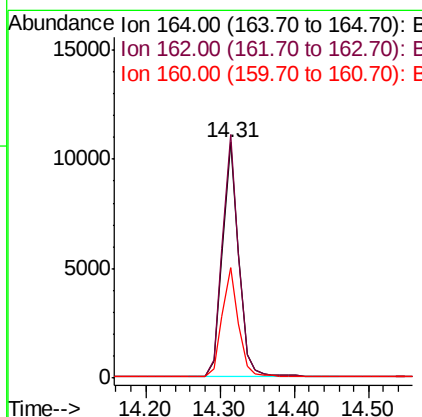
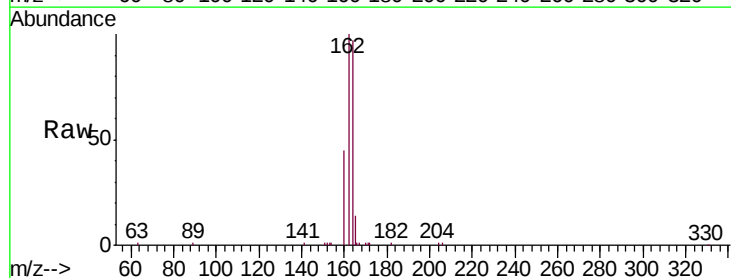
Instrument :
 BNA_N
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 PST-024-SW131-092519

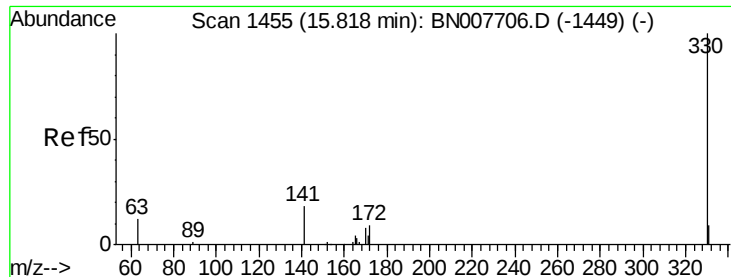
Tgt Ion:152 Resp: 12128
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.4 23.2



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

Tgt Ion:164 Resp: 16308
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.7 122.5
 160 46.7 37.0 55.4

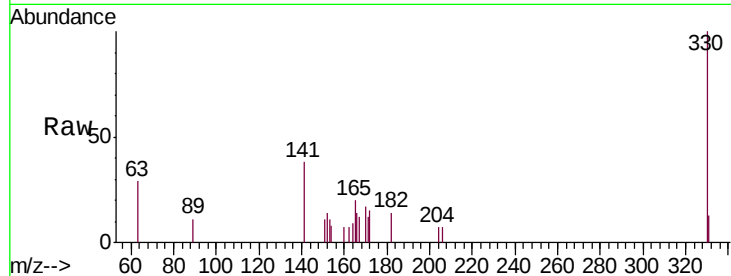




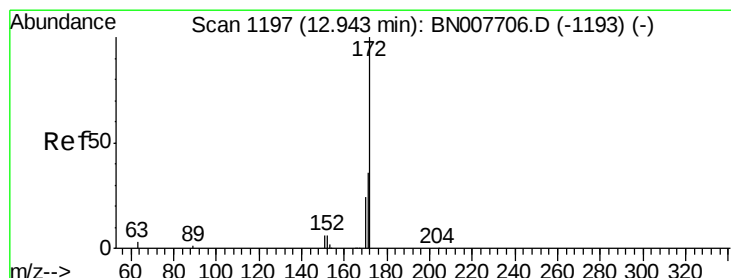
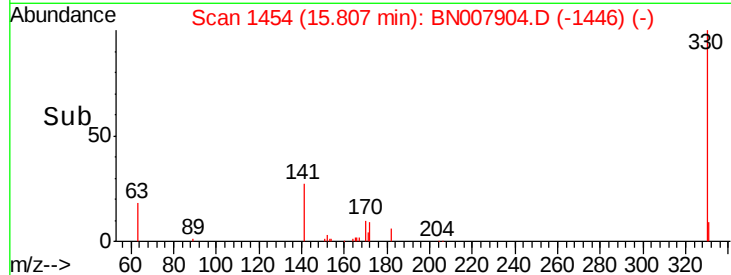
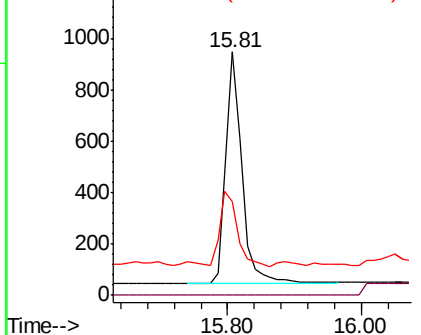
#14
 2,4,6-Tribromophenol
 Concen: 0.170 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW131-092519

Tgt Ion:330 Resp: 1514
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 35.0 28.7 43.1

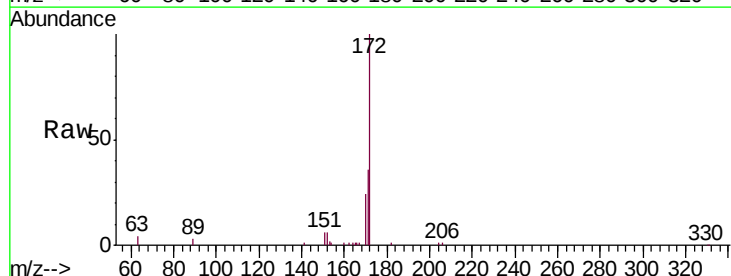


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

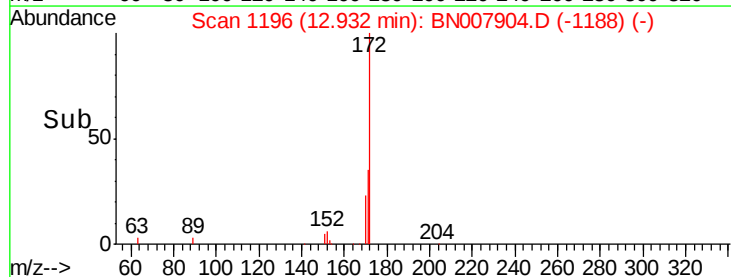
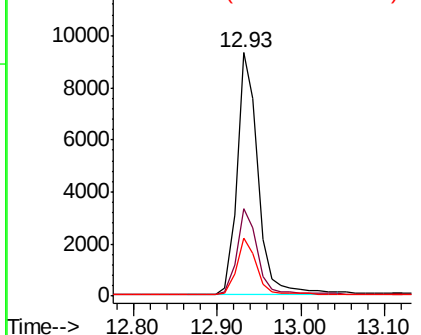


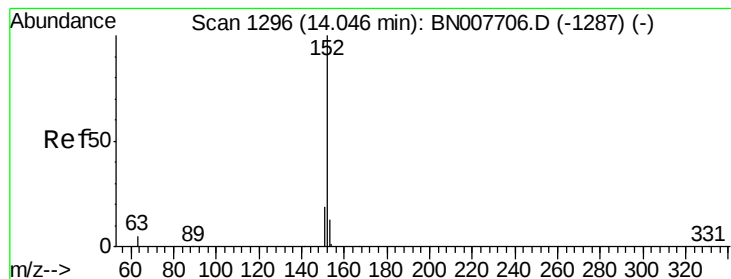
#15
 2-Fluorobiphenyl
 Concen: 0.240 ng
 RT: 12.93 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

Tgt Ion:172 Resp: 16145
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.8 43.2
 170 23.6 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.037 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007904.D

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Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

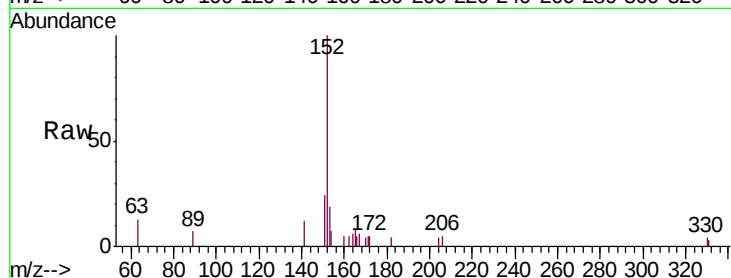
Tgt Ion:152 Resp: 3230

Ion Ratio Lower Upper

152 100

151 21.5 15.5 23.3

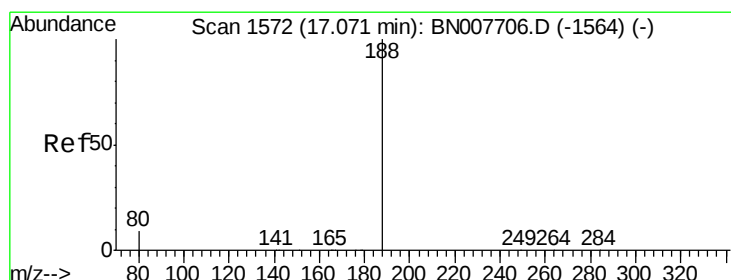
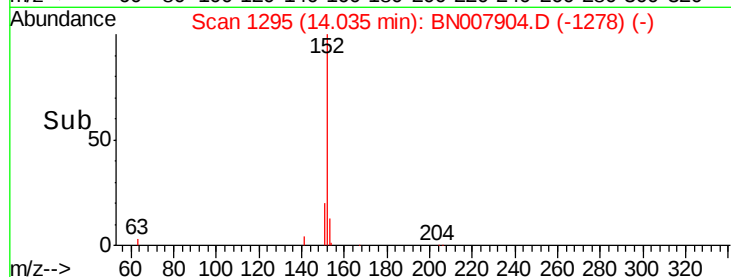
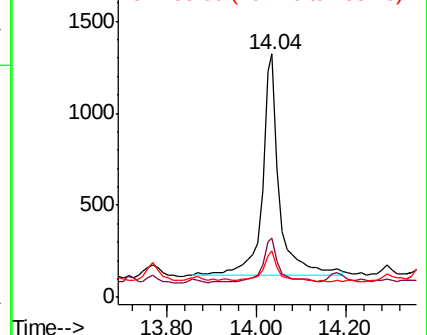
153 13.2 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

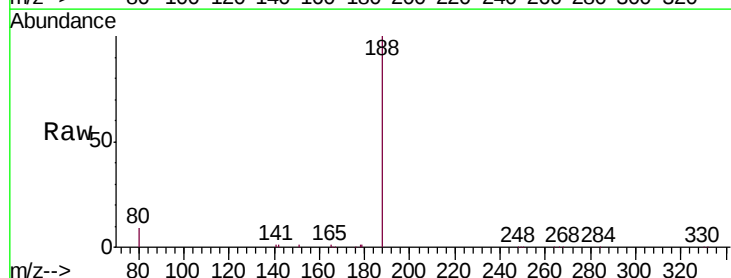
Tgt Ion:188 Resp: 29611

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

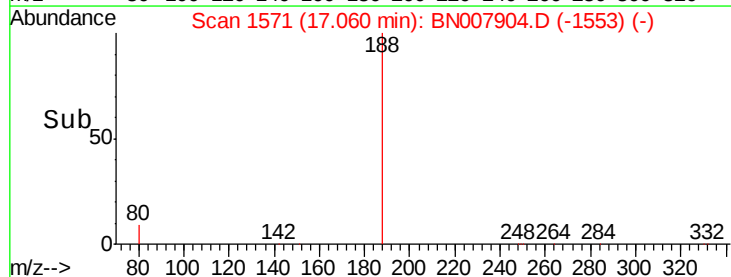
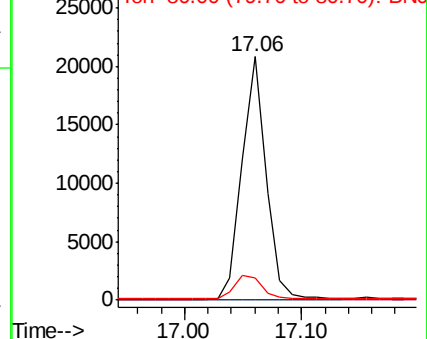
80 9.2 7.4 11.2

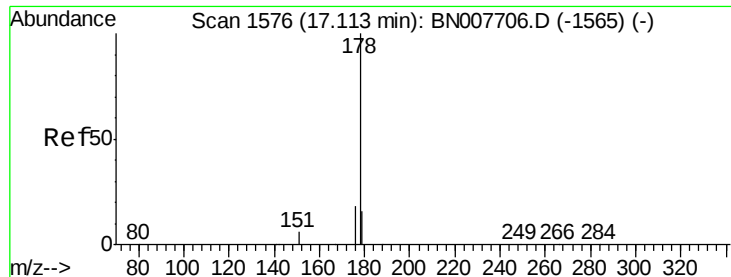


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.075 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

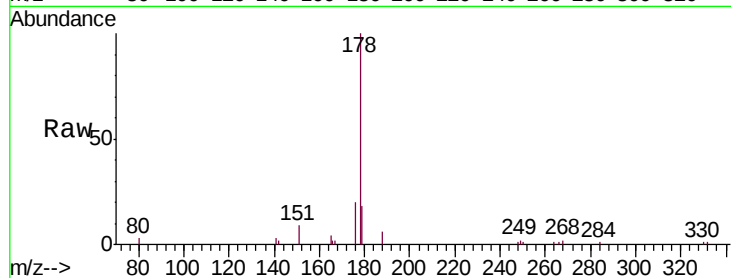
Tgt Ion:178 Resp: 6890

Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

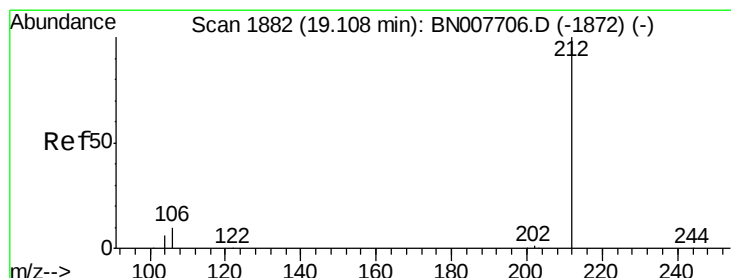
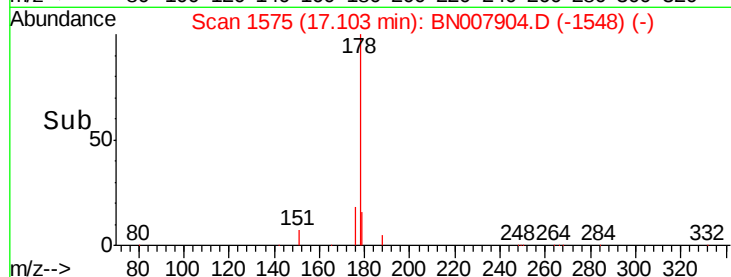
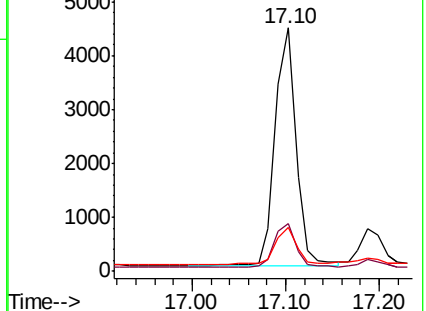
179 17.0 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.209 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

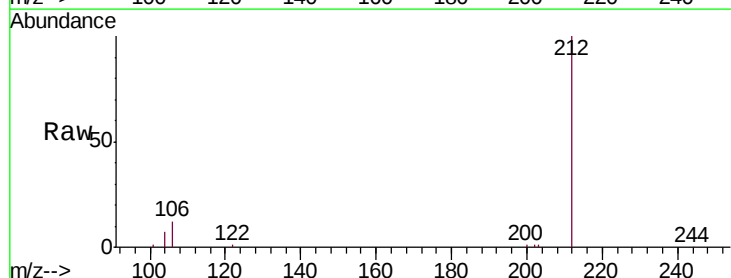
Tgt Ion:212 Resp: 20860

Ion Ratio Lower Upper

212 100

106 11.9 9.4 14.0

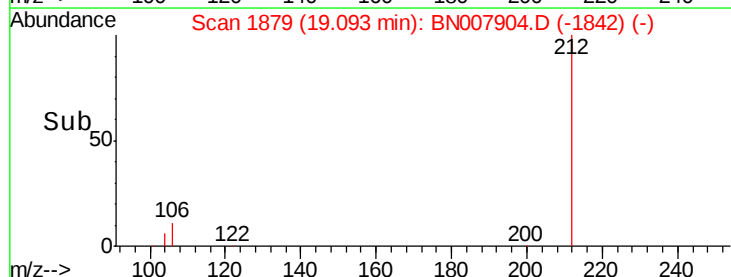
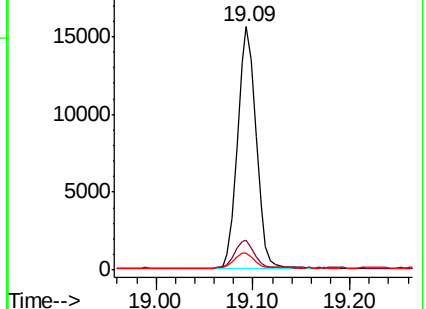
104 6.9 5.3 7.9

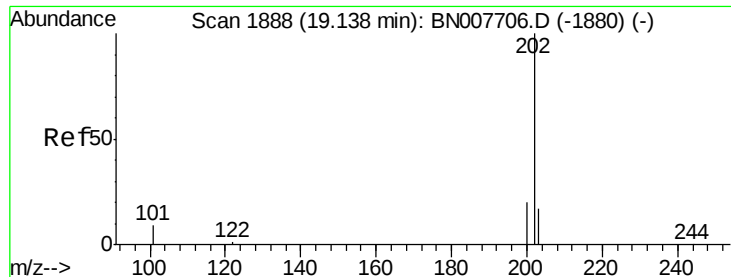


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

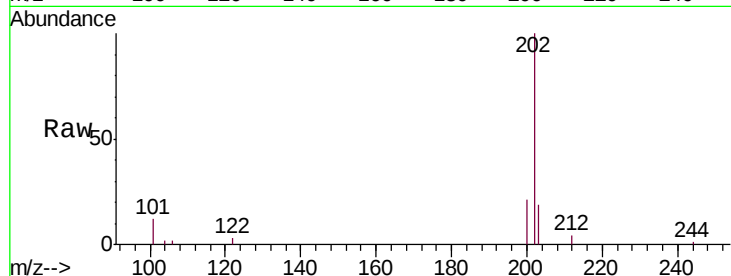




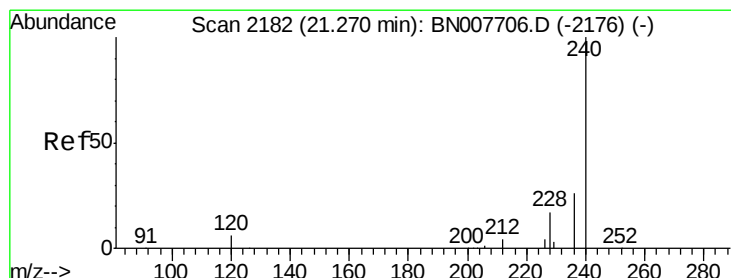
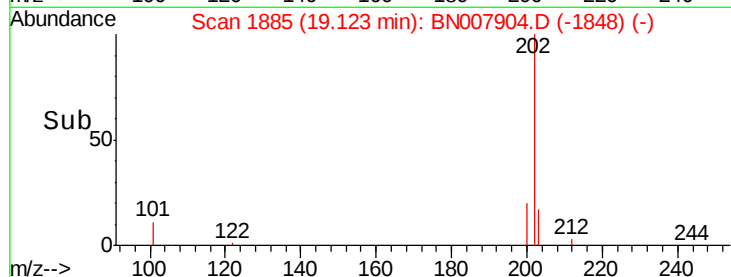
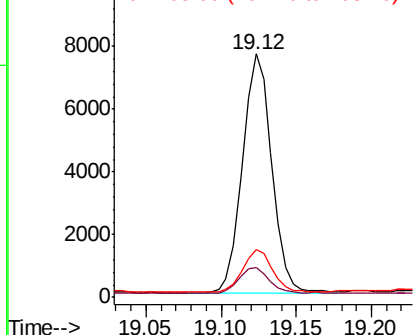
#26
 Fluoranthene
 Concen: 0.090 ng
 RT: 19.12 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW131-092519

Tgt Ion: 202 Resp: 10334
 Ion Ratio Lower Upper
 202 100
 101 11.4 8.4 12.6
 203 18.1 13.8 20.8

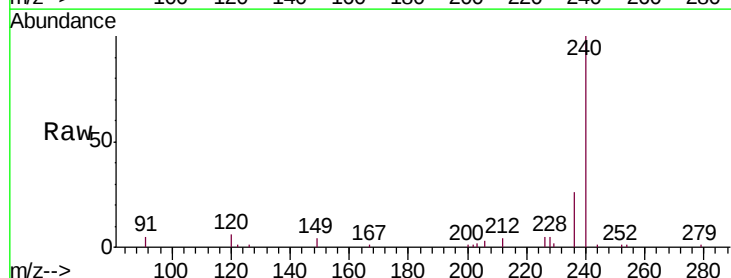


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

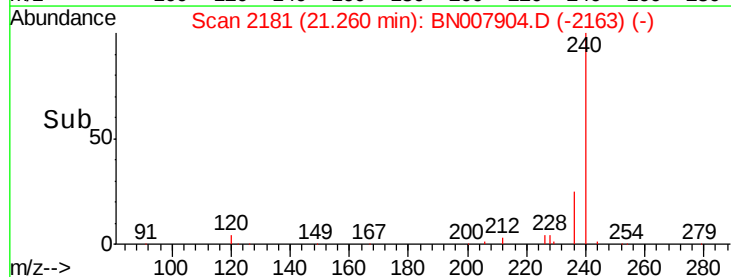
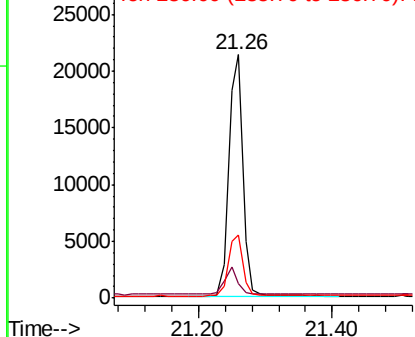


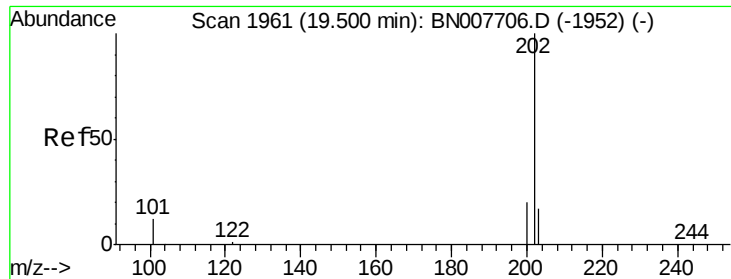
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

Tgt Ion: 240 Resp: 31236
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.4 8.2
 236 26.1 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.101 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

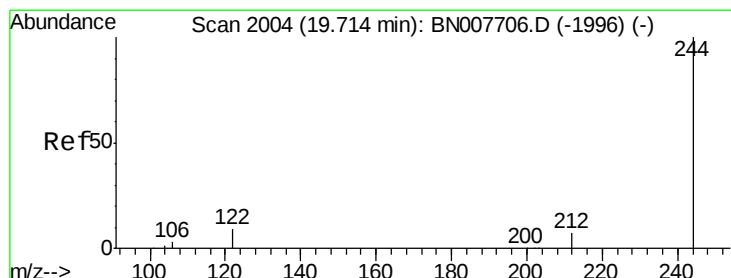
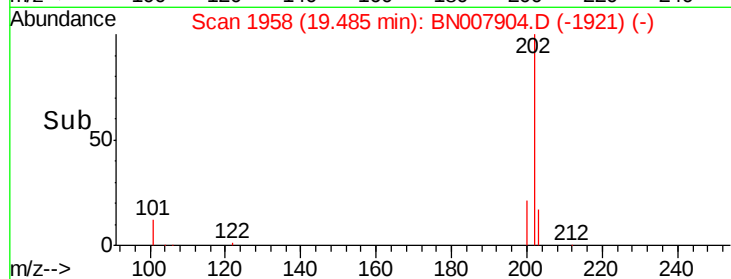
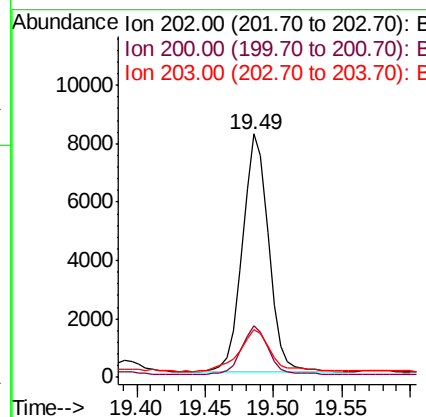
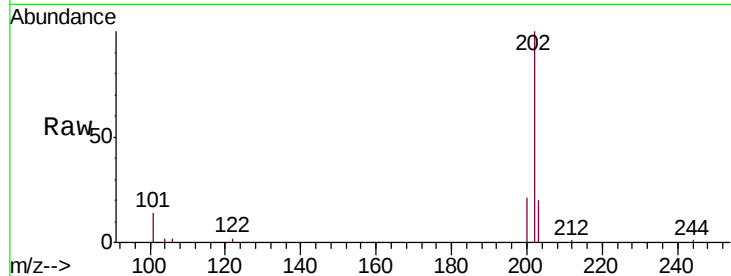
Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

Tgt Ion:	202	Resp:	10809
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	21.5	14.1	21.1#



#29

Terphenyl-d14

Concen: 0.212 ng

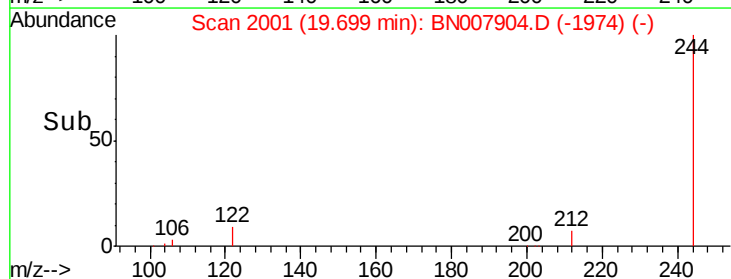
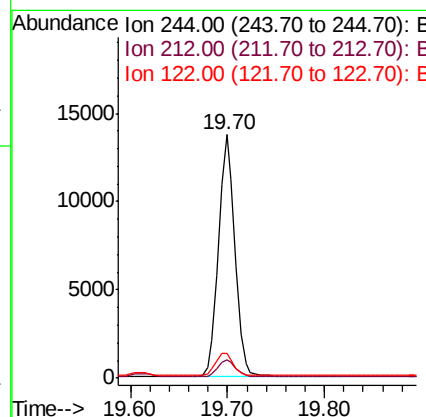
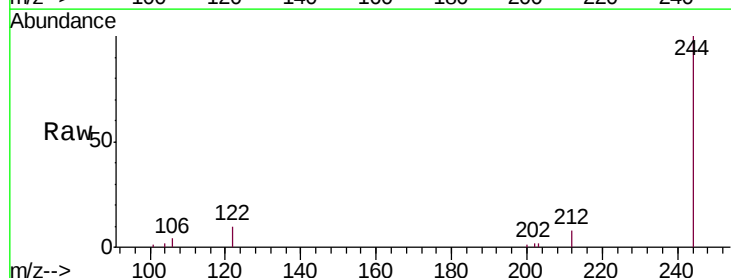
RT: 19.70 min Scan# 2001

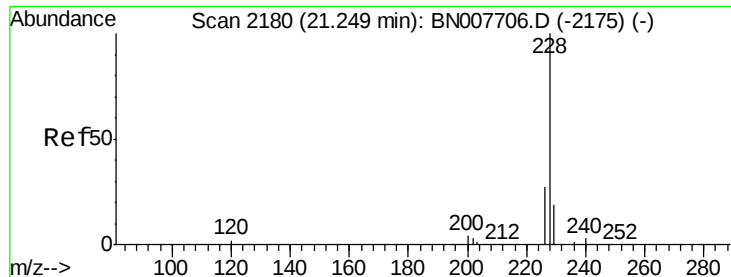
Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Tgt Ion:	244	Resp:	16275
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.3	7.4	11.2





#30

Benzo(a)anthracene

Concen: 0.040 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

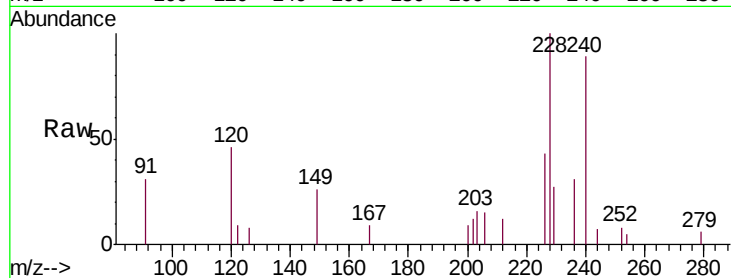
Tgt Ion:228 Resp: 4632

Ion Ratio Lower Upper

228 100

226 42.6 22.1 33.1#

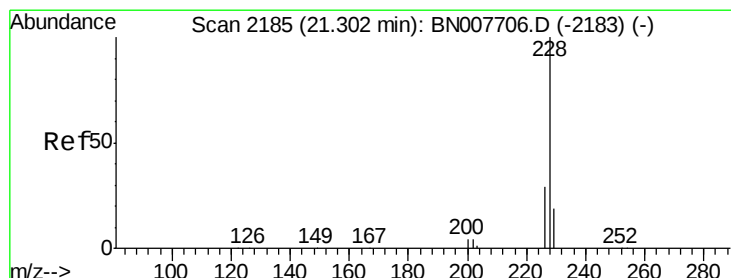
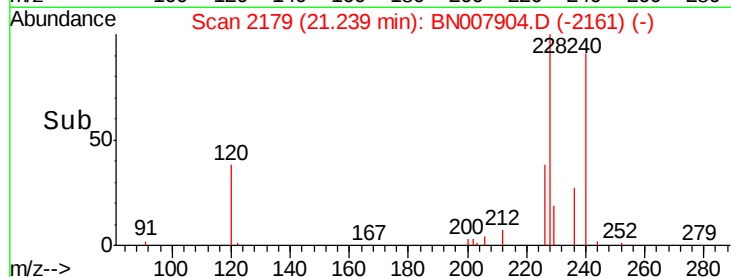
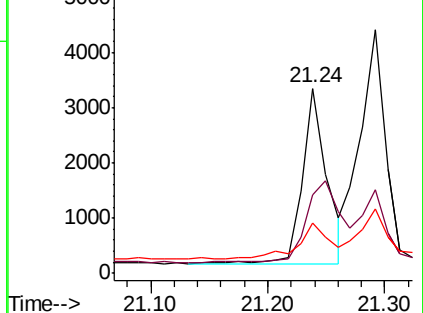
229 27.3 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.056 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

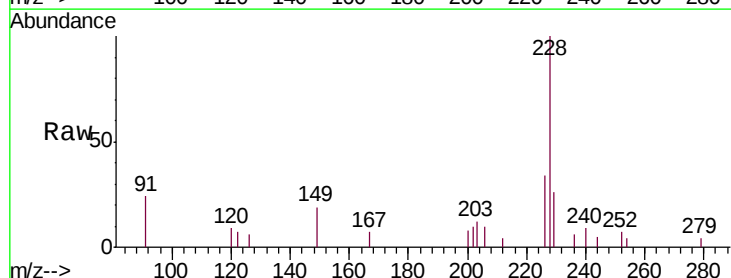
Tgt Ion:228 Resp: 6268

Ion Ratio Lower Upper

228 100

226 34.2 23.9 35.9

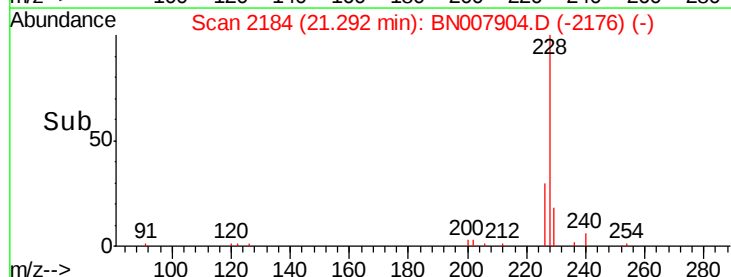
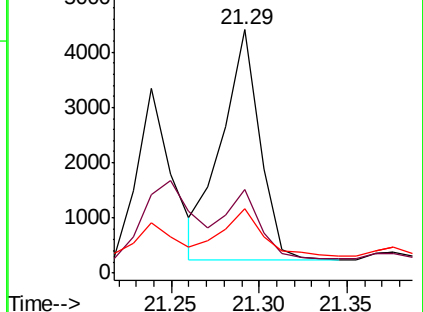
229 26.2 15.8 23.6#

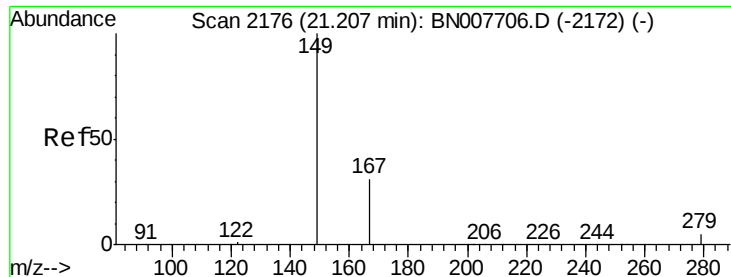


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

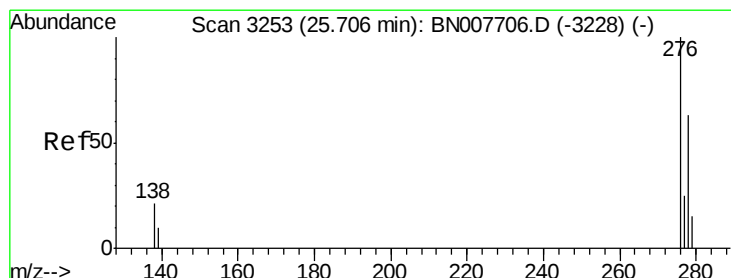
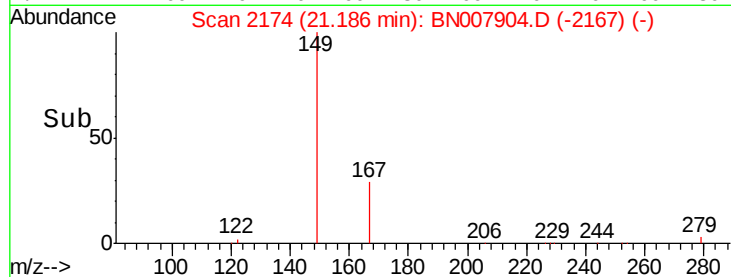
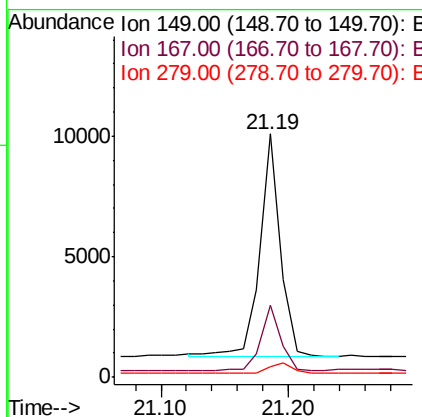
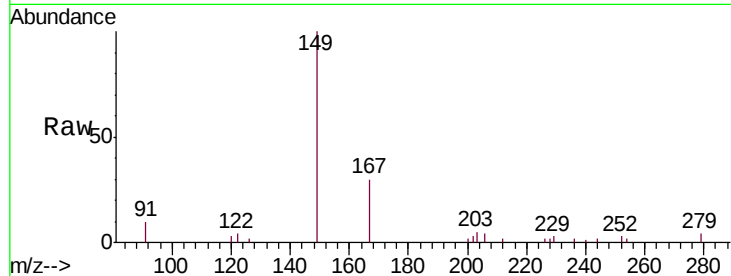




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.174 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

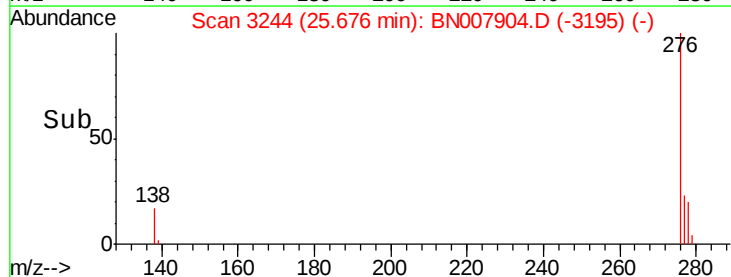
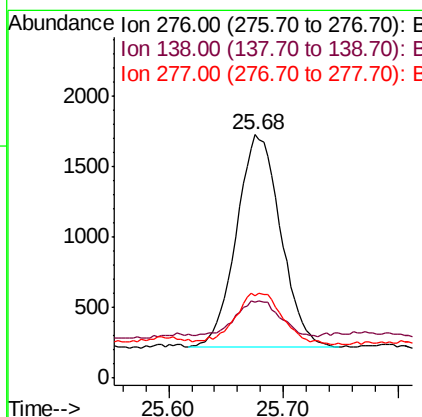
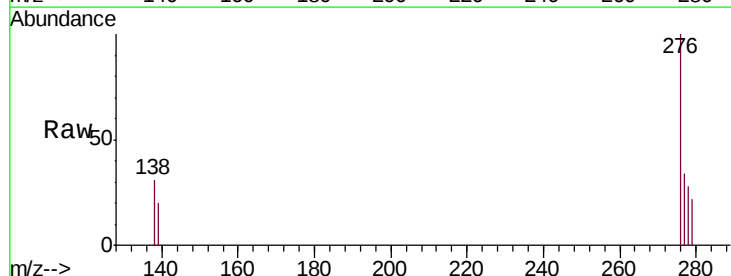
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW131-092519

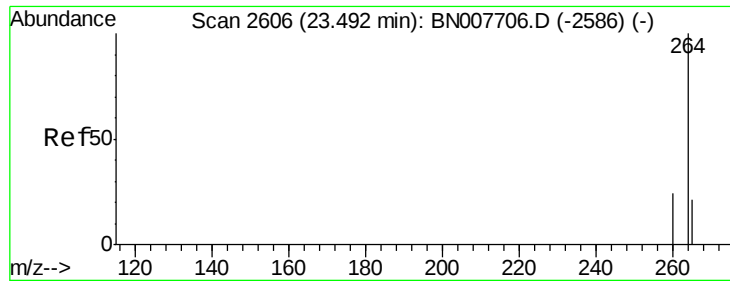
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.7	35.5
279	5.9	4.2	6.2



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.029 ng
 RT: 25.68 min Scan# 3244
 Delta R.T. -0.03 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	17.1	25.7#
277	26.1	20.0	30.0

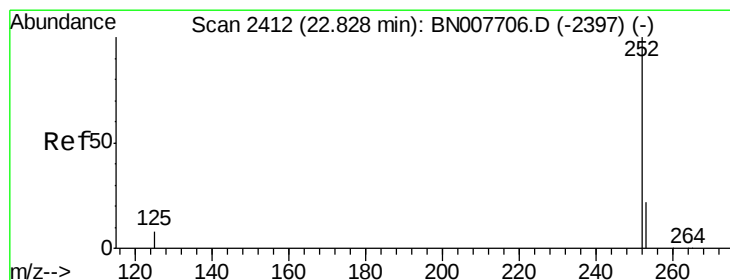
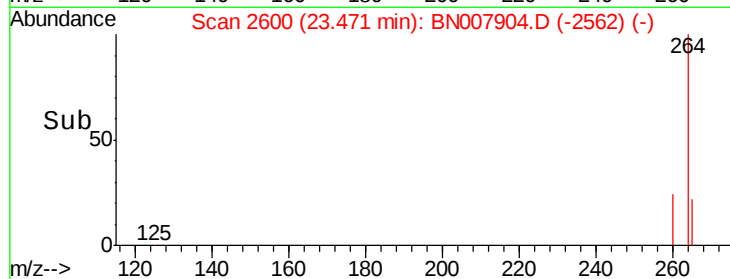
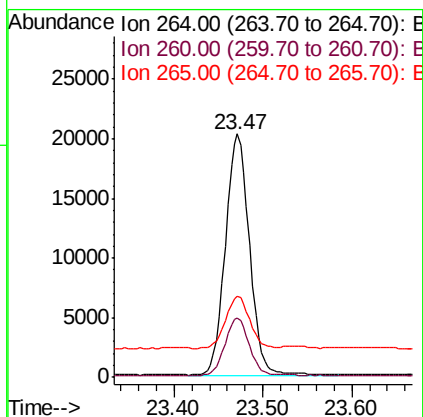
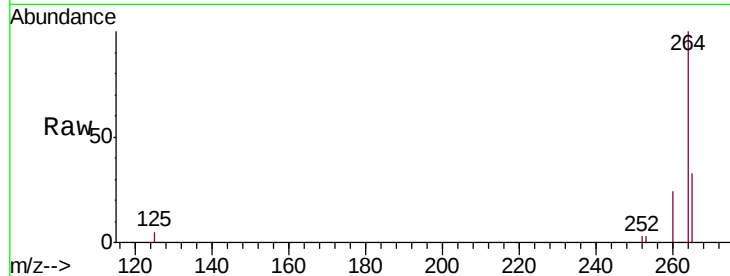




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2600
 Delta R.T. -0.02 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

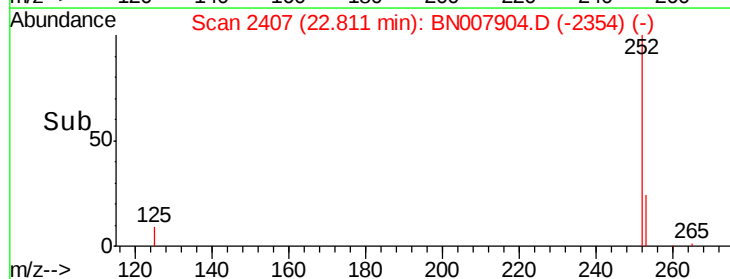
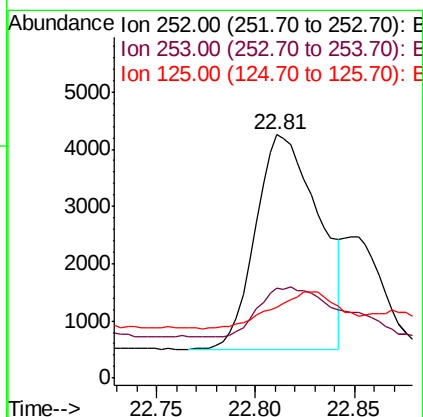
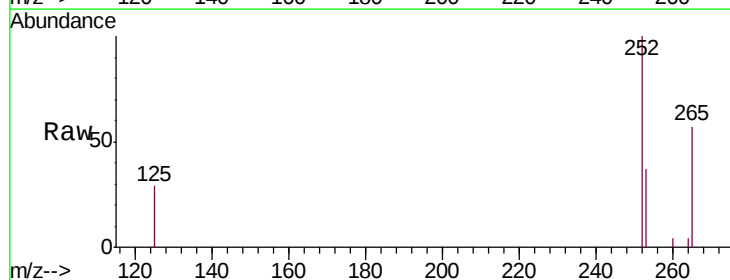
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW131-092519

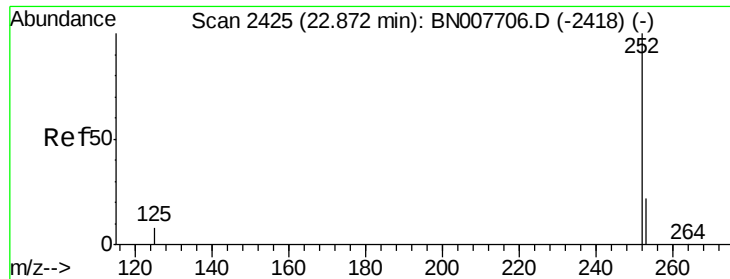
Tgt Ion: 264 Resp: 38054
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.3 28.9
 265 33.3 26.9 40.3



#35
 Benzo(b)fluoranthene
 Concen: 0.063 ng
 RT: 22.81 min Scan# 2407
 Delta R.T. -0.02 min
 Lab File: BN007904.D
 Acq: 30 Sep 2019 19:37

Tgt Ion: 252 Resp: 8287
 Ion Ratio Lower Upper
 252 100
 253 37.2 18.3 27.5#
 125 29.0 8.2 12.4#





#36

Benzo(k)fluoranthene

Concen: 0.063 ng

RT: 22.81 min Scan# 2407

Delta R.T. -0.06 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519

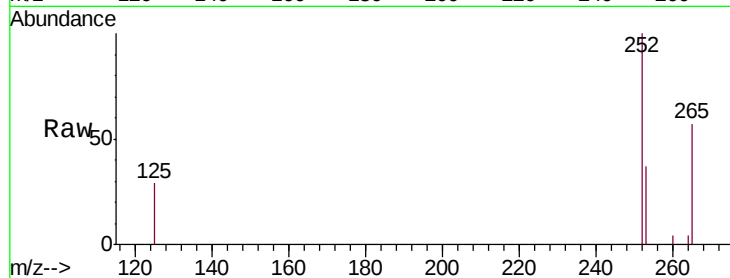
Tgt Ion:252 Resp: 8287

Ion Ratio Lower Upper

252 100

253 37.2 18.5 27.7#

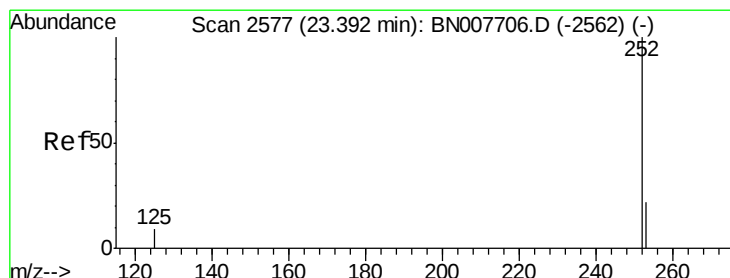
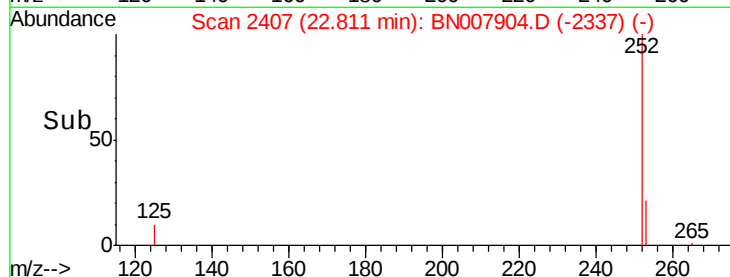
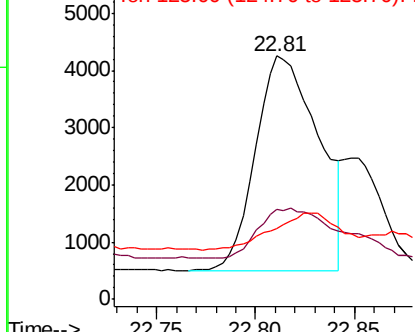
125 29.0 8.4 12.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.043 ng

RT: 23.38 min Scan# 2572

Delta R.T. -0.02 min

Lab File: BN007904.D

Acq: 30 Sep 2019 19:37

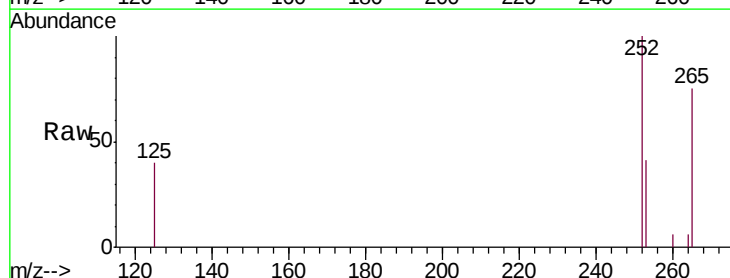
Tgt Ion:252 Resp: 5315

Ion Ratio Lower Upper

252 100

253 40.6 18.6 27.8#

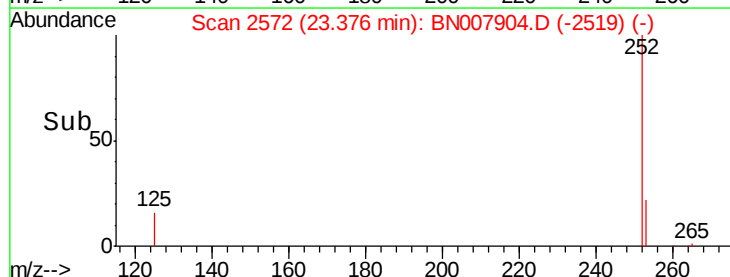
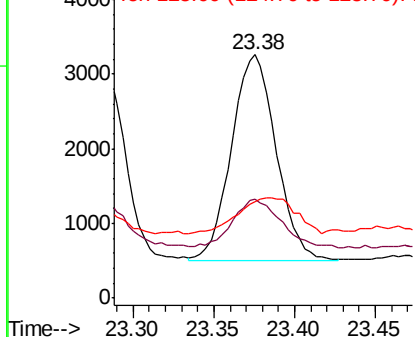
125 39.5 9.4 14.0#

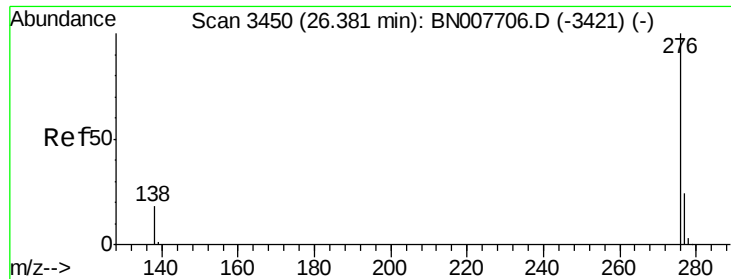


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.038 ng

RT: 26.35 min Scan# 3442

Delta R.T. -0.03 min

Lab File: BN007904.D

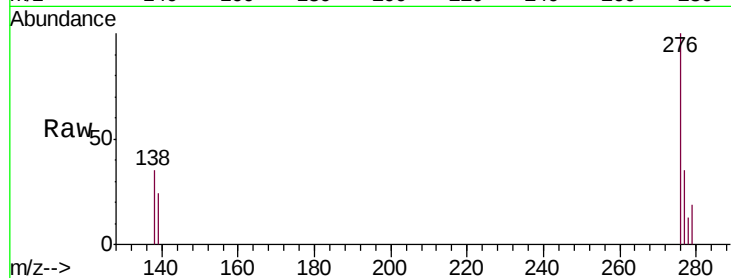
Acq: 30 Sep 2019 19:37

Instrument :

BNA_N

ClientSampleId :

PST-024-SW131-092519



Tgt Ion: 276 Resp: 4741

Ion Ratio Lower Upper

276 100

277 35.3 19.8 29.8#

138 35.5 15.1 22.7#

